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K. A. Allen

Attorney for Applicants

September 19, 2006

Date

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

W. BRIAN CHRISTIE et al.

Entitled:

GEOGRAPHIC INFORMATION SYSTEM  
AND METHOD FOR MONITORING  
DYNAMIC TRAIN POSITIONS

Serial No. 10/789,593

Filed: February 27, 2004

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)  
) Attorney Docket No. 283359-00338  
)  
) Group Art Unit 3663  
)  
) Examiner: Edward J. Pipala  
)  
) Confirmation No. 7942  
)  
)  
)

600 Grant Street, 44th Floor  
Pittsburgh, PA 15219  
September 19, 2006

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Dear Sir:

In response to the Office Action mailed on June 20, 2006, please amend the  
above-captioned Application as follows:

Amendments to the Claims are reflected in the **Listing of Claims** which  
begins on page 2 of this paper.

**Remarks** begin on page 9 of this paper.



IFW

PTO/SB/17 (07-06)

Approved for use through 01/31/2007. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

**Complete if Known**

Application Number	10/789,593
Filing Date	February 27, 2004
First Named Inventor	W. BRIAN CHRISTIE
Examiner Name	Edward J. Pipala
Art Unit	3663
Attorney Docket No.	283359-00338

**METHOD OF PAYMENT (check all that apply)**

- ☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_
- ☒ Deposit Account Deposit Account Number: 02-2556 Deposit Account Name: Eckert Seamans
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues)

200	100
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Multiple dependent claims

360	180
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Total Claims	(original 41)	Extra Claims	Fee (\$)	Fee Paid (\$)
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31	- 20 or HP =	0	x	=
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HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	(4)	Extra Claims	Fee (\$)	Fee Paid (\$)
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2	- 3 or HP =		x	=
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HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/ 50 =	(round up to a whole number) x	=

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

Fees Paid (\$)

**SUBMITTED BY**Signature Kirk D. HouserRegistration No. 37,357  
(Attorney/Agent)

Telephone 412.566.6083

Name (Print/Type) Kirk D. Houser

Date September 19, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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